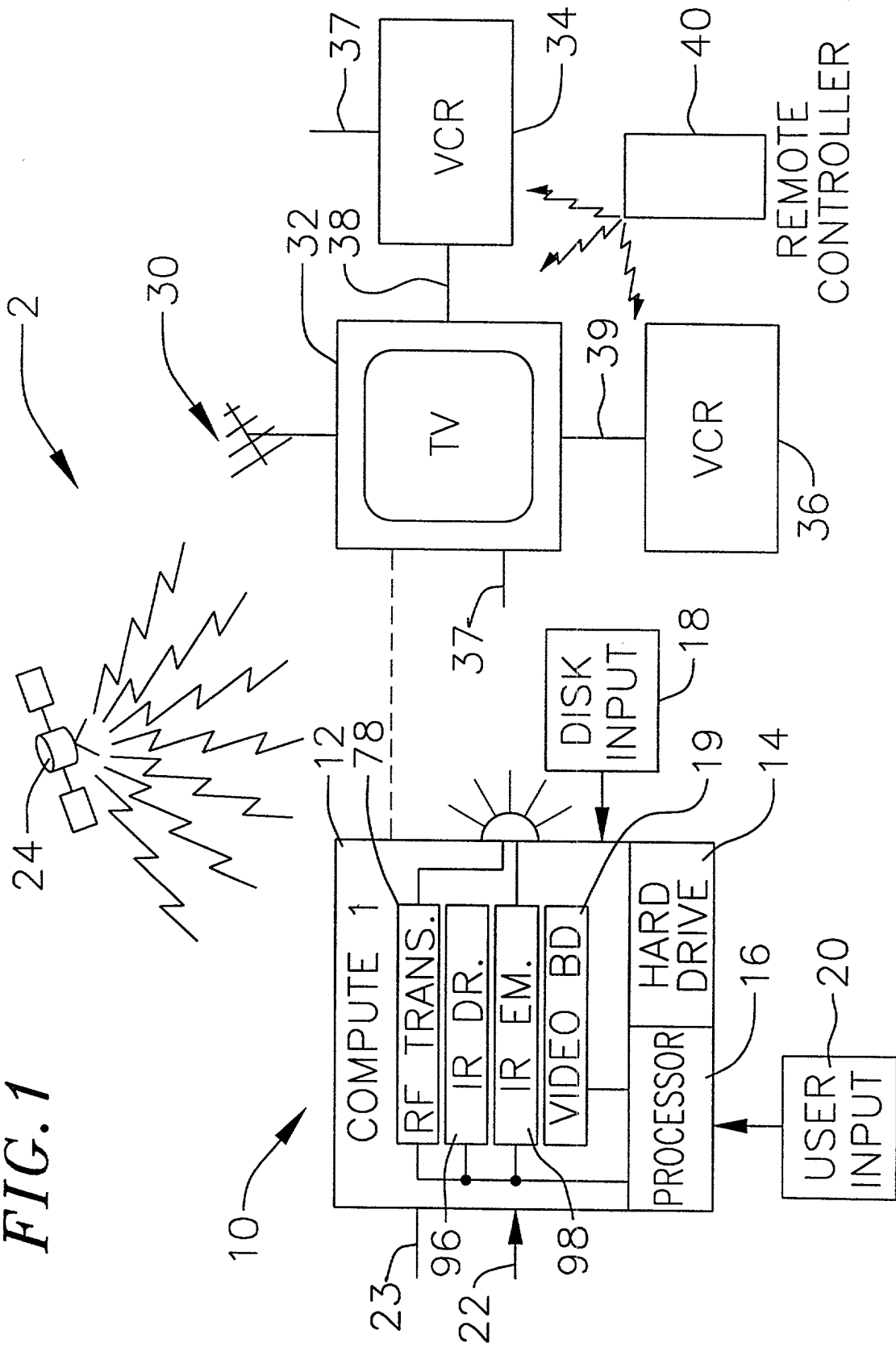


FIG. 1



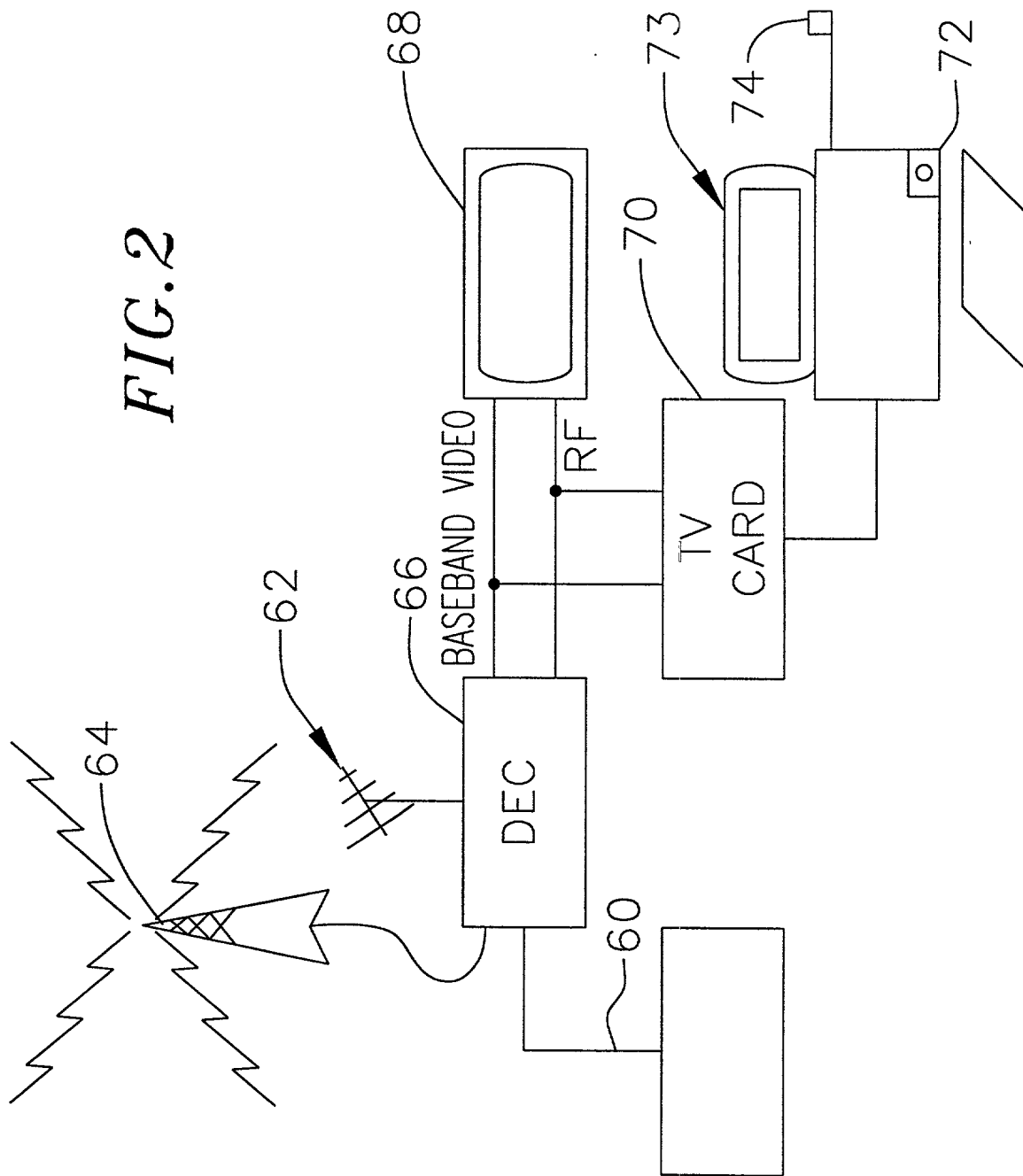
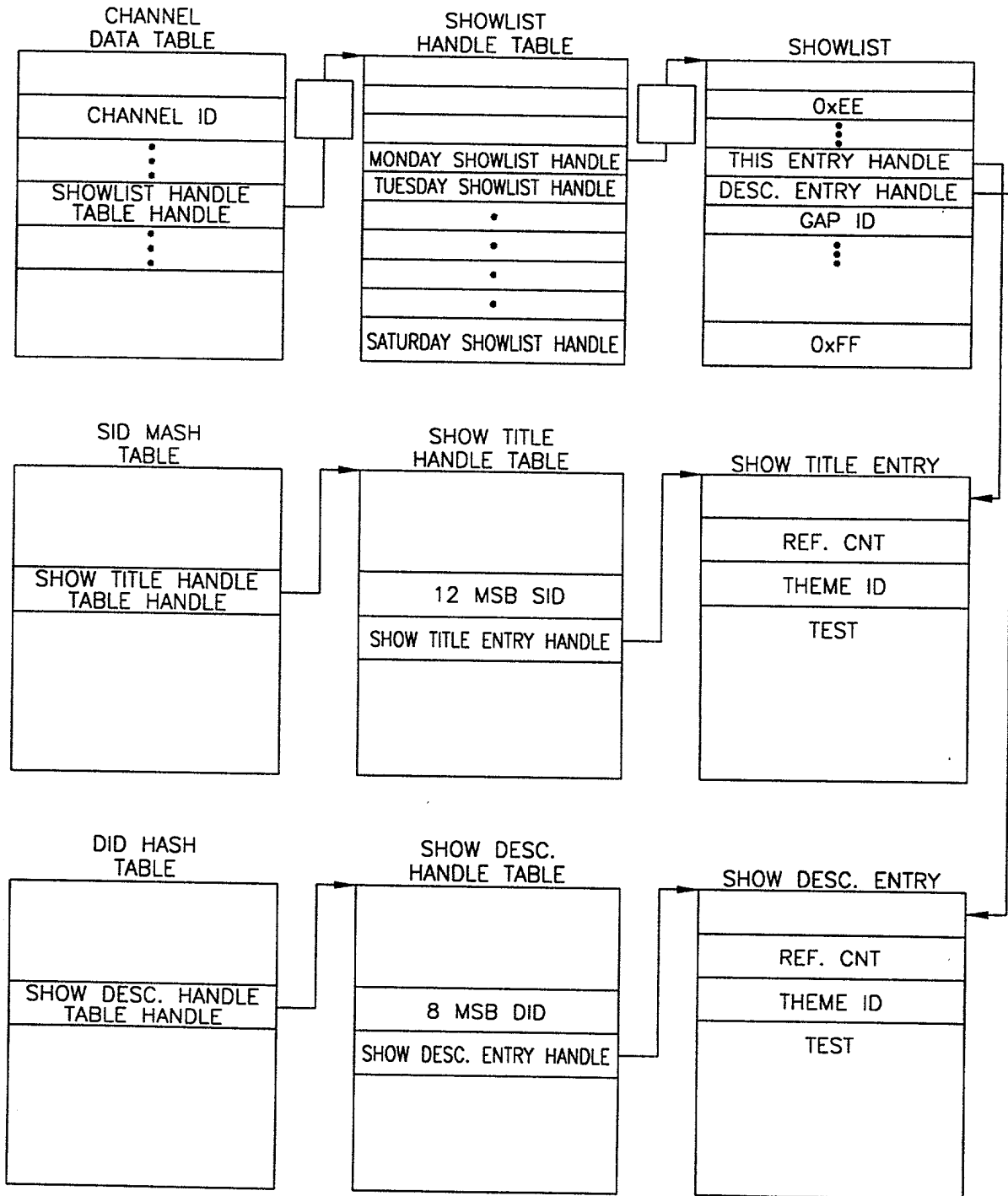


FIG. 2

FIG. 4



CHANNEL DATA TABLE

	7	6	5	4	3	2	1	0
0x00	TYPE=0x01							
0x01	NBR BLOCKS							
0x02	0x00							
0x03	NBR CHANNELS							
0x04	MSB _____ CHANNEL ID _____ LSB							
0x06	DPF	ICF	NDF	_____	NF	TMSB		
0x07	TUNE CHANNEL NBR							
0x08	TRANSPONDER NBR							
0x09	SATELLITE NBR							
0x0A	_____	SOURCE	CHANNEL	TYPE	NMSB			
0x0B	NATIVE CHANNEL NBR							
0x0C	NAME MASK BITS							
0x0D	FAVORITES LINK							
0x0E	MSB	SHOWLIST HANDLE TABLE					_____	LSB
0x10	MSB _____ NAME AFFILIATION STRING _____							
0x18	MSB	DUPLICATE CHANNELS					_____	LSB
	HANDLE							
0x14	MSB _____							

SHOW LIST

0x00	7	6	5	4	3	2	1	0	
	TYPE=0x02								
0x01	NBR BLOCKS								
0x02					VERSION				
0x03	MSB								
	START TIME GMT								
	LSB								
0x07	START DELIMITER=0xEE								
0x08	RESV			PPV	GRPF	DIDF	DMYF		0x00
0x09	DURATION								0x01
0x0A	MSB	SHOW TITLE HANDLE						LSB	0x02
0x0C	MSB	SHOW DESCRIPTION HANDLE						LSB	0x04
0x0E	MSB	GROUP ID						LSB	0x06
	END DELIMITER=0xFF								

FIG. 7A

SHOW .TITLE ENTRY[illegible]

FIG. 7B

SHOW DESCRIPTION ENTRY[illegible]

FIG. 10

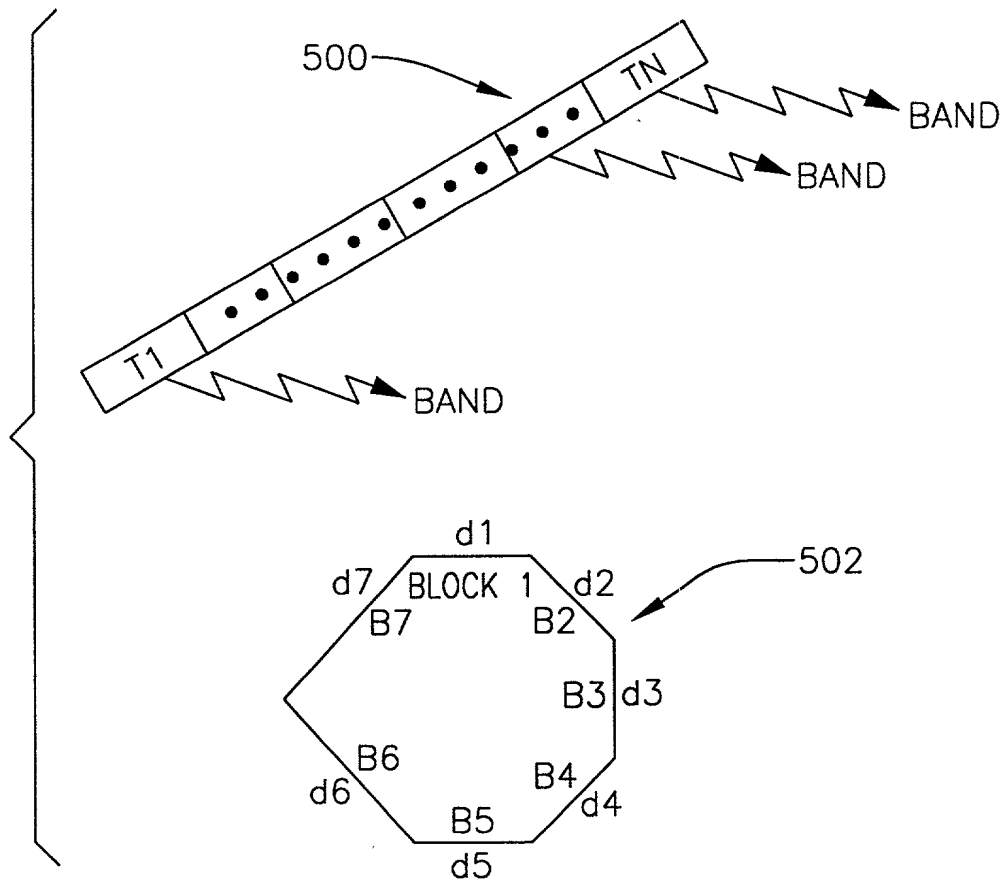


FIG. 11

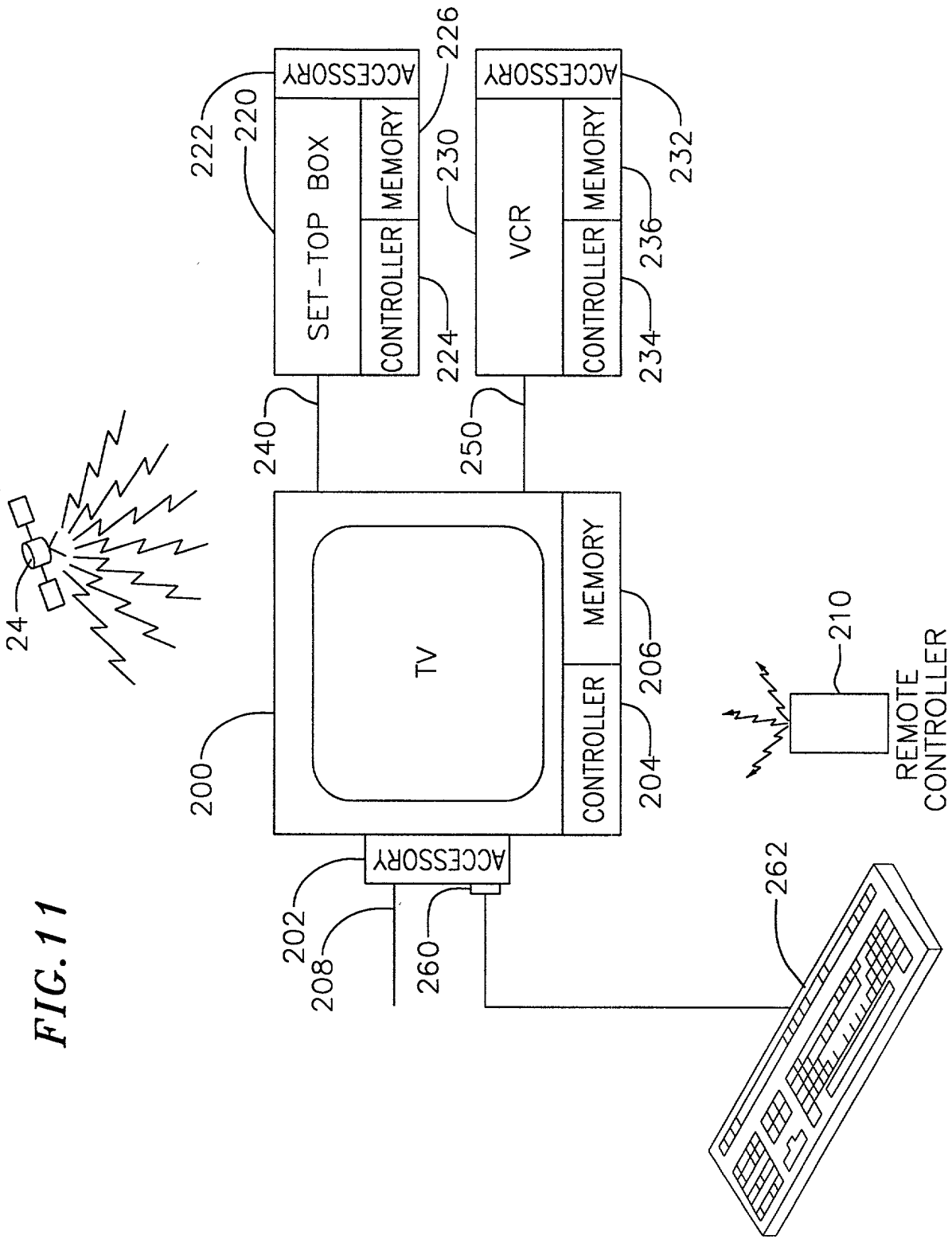


FIG. 12 is a block diagram of a system architecture. The diagram shows a central processing unit (312) connected to a memory unit (314) and a software unit (316). The memory unit (314) contains a data unit (318). The central processing unit (312) is also connected to a cable modem (318) and a user interface (340). The cable modem (318) is connected to a cable system (310). The user interface (340) is connected to a TV system (320). The TV system (320) includes a TV (322) and a VCR (324). The TV (322) is connected to the VCR (324). The TV system (320) is also connected to the cable system (310).

FIG. 12

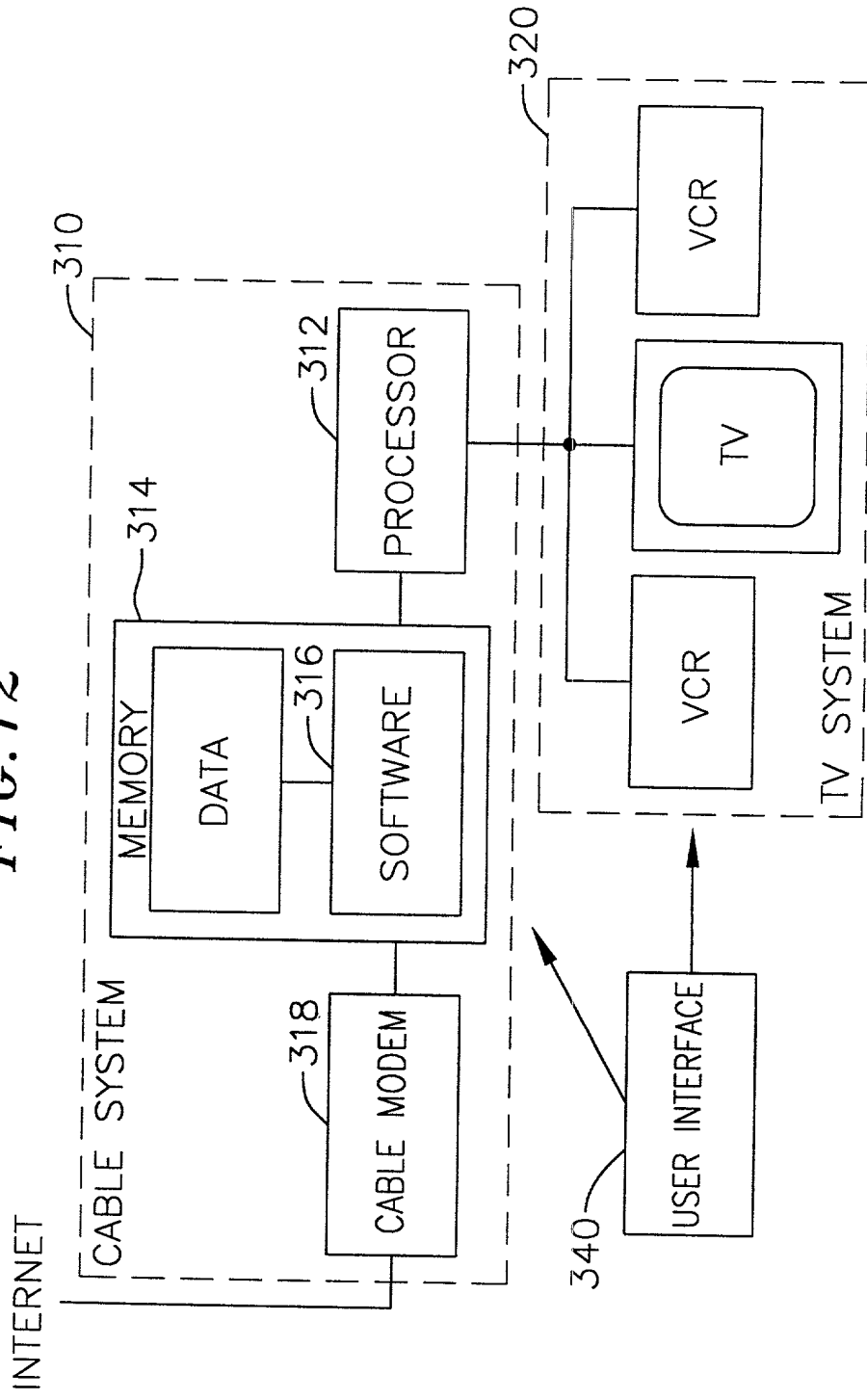


FIG. 13

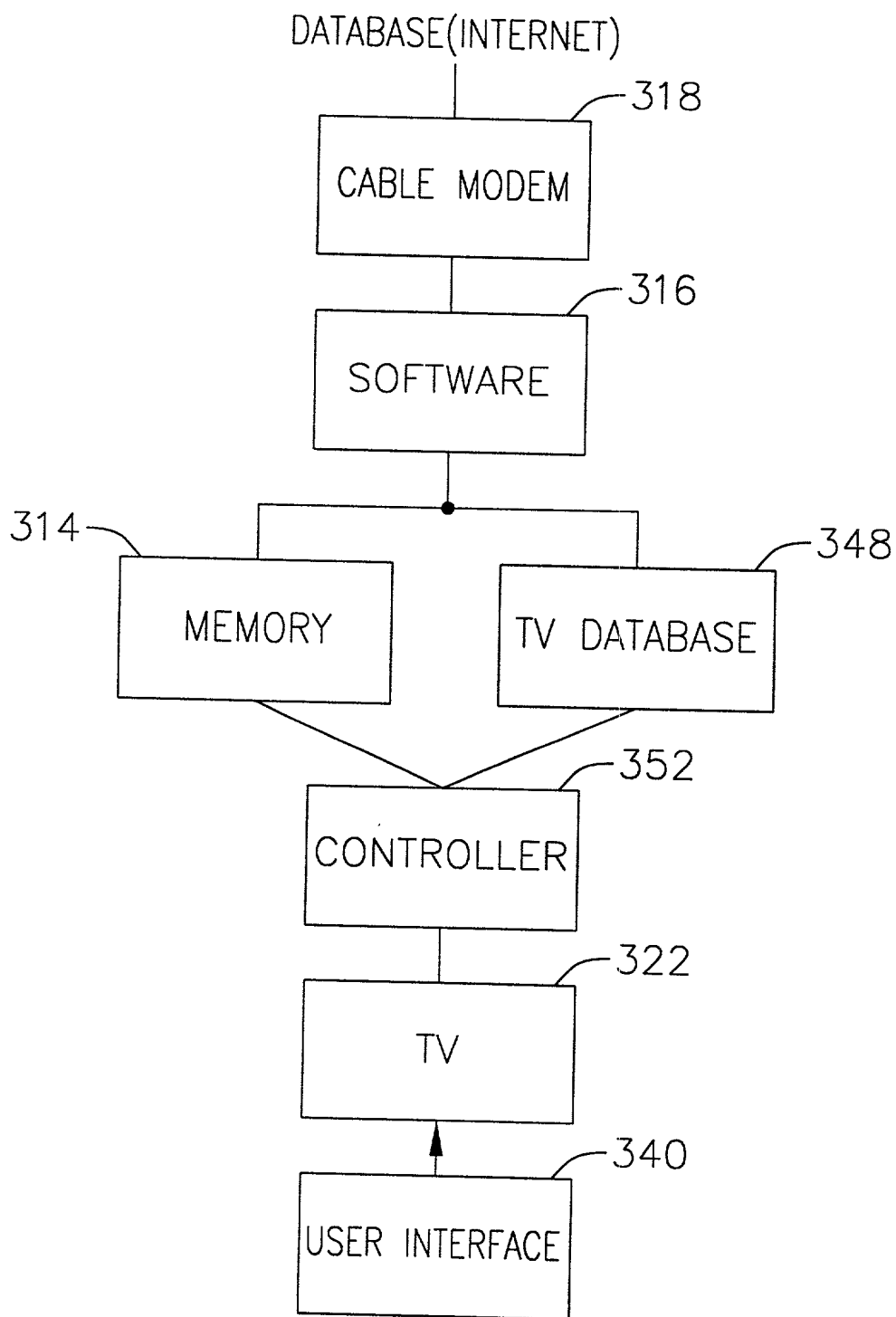


FIG. 14

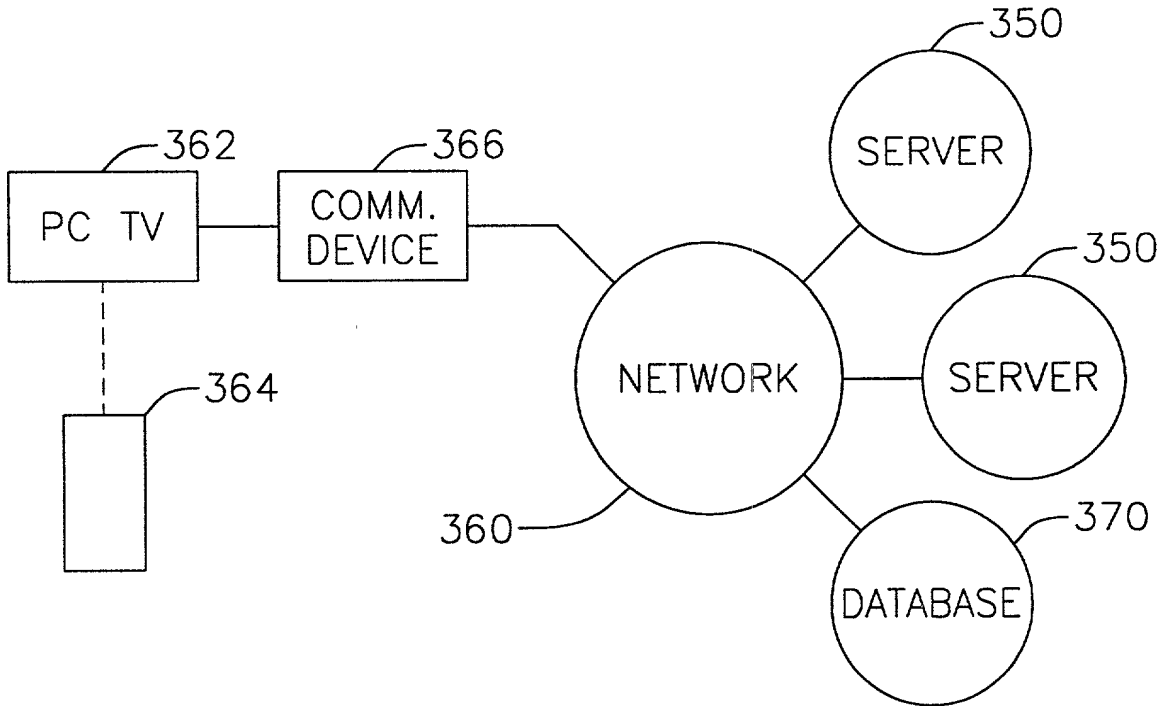


FIG. 15

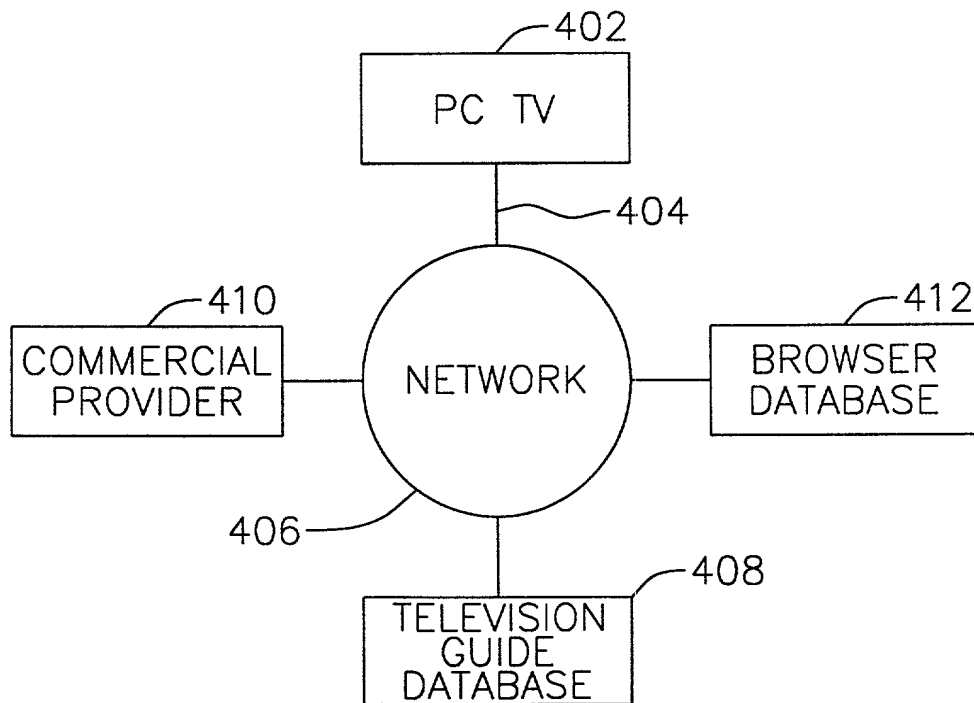


FIG. 16A

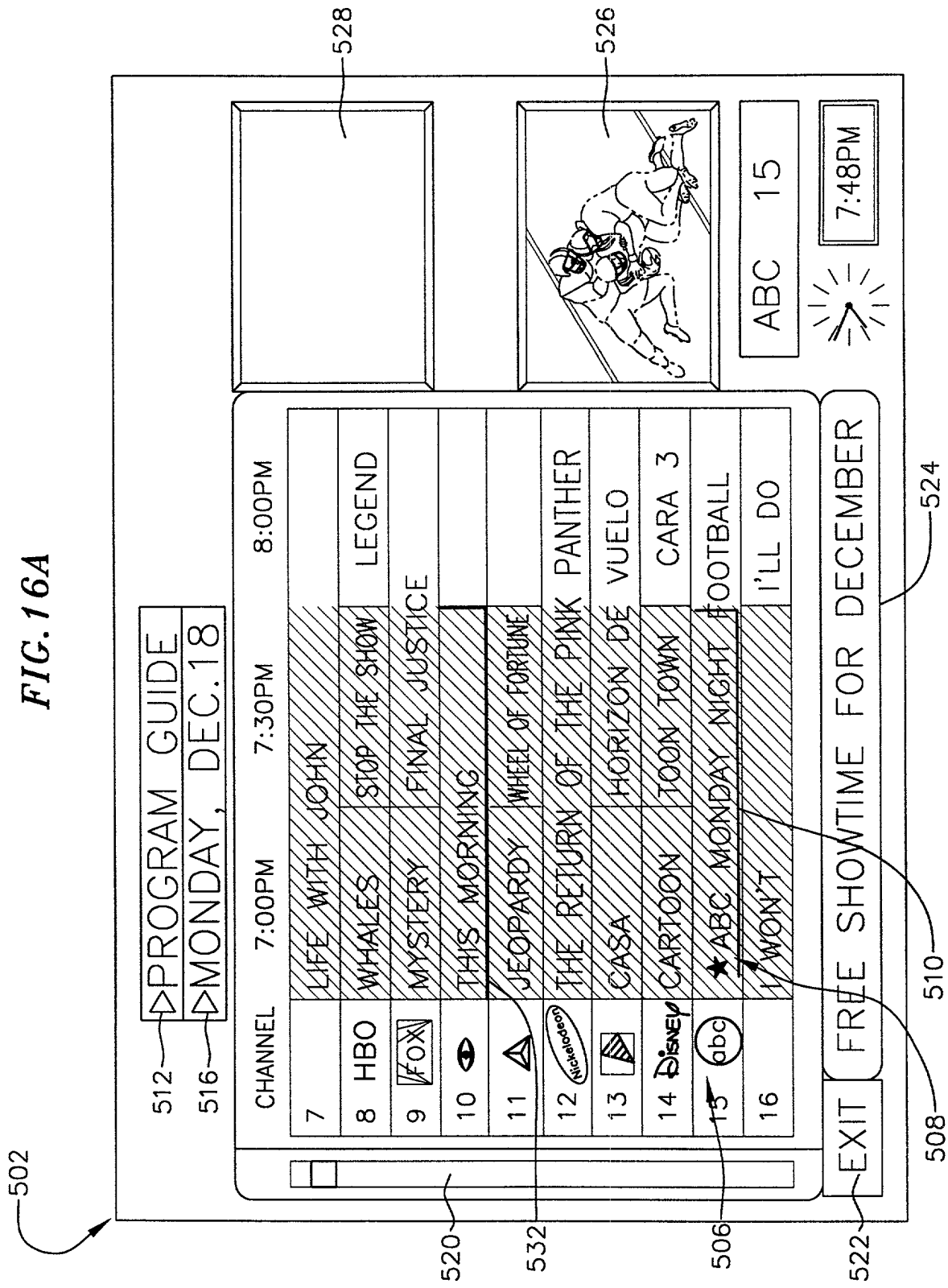


FIG. 16B is a schematic diagram of a television screen displaying a channel guide for Monday, December 18. The screen is divided into several sections. At the top, a banner displays "CHANNEL GUIDE" and "MONDAY, DEC. 18". Below this, a grid shows the schedule for Channel 8 and Channel 9. Channel 8 shows programs like "LAST OF THE MOHICANS", "WHILE YOU WERE SLEEPING", "STOP THE SNOW", "LEGENDS OF THE FALL", "THE CITY OF LOST CHILDREN", "2001: A SPACE ODYSSEY", "8 MONEY TRAIN", "VERTIGO", and "SHANANNI TRIAD". Channel 9 shows a program titled "HBO & HBO". To the right of the grid, there is a large rectangular area labeled "528" and a smaller area labeled "526" showing a group of people. At the bottom right, a clock displays "7:48PM" and a button labeled "EXIT" is visible. The entire screen is labeled "504".

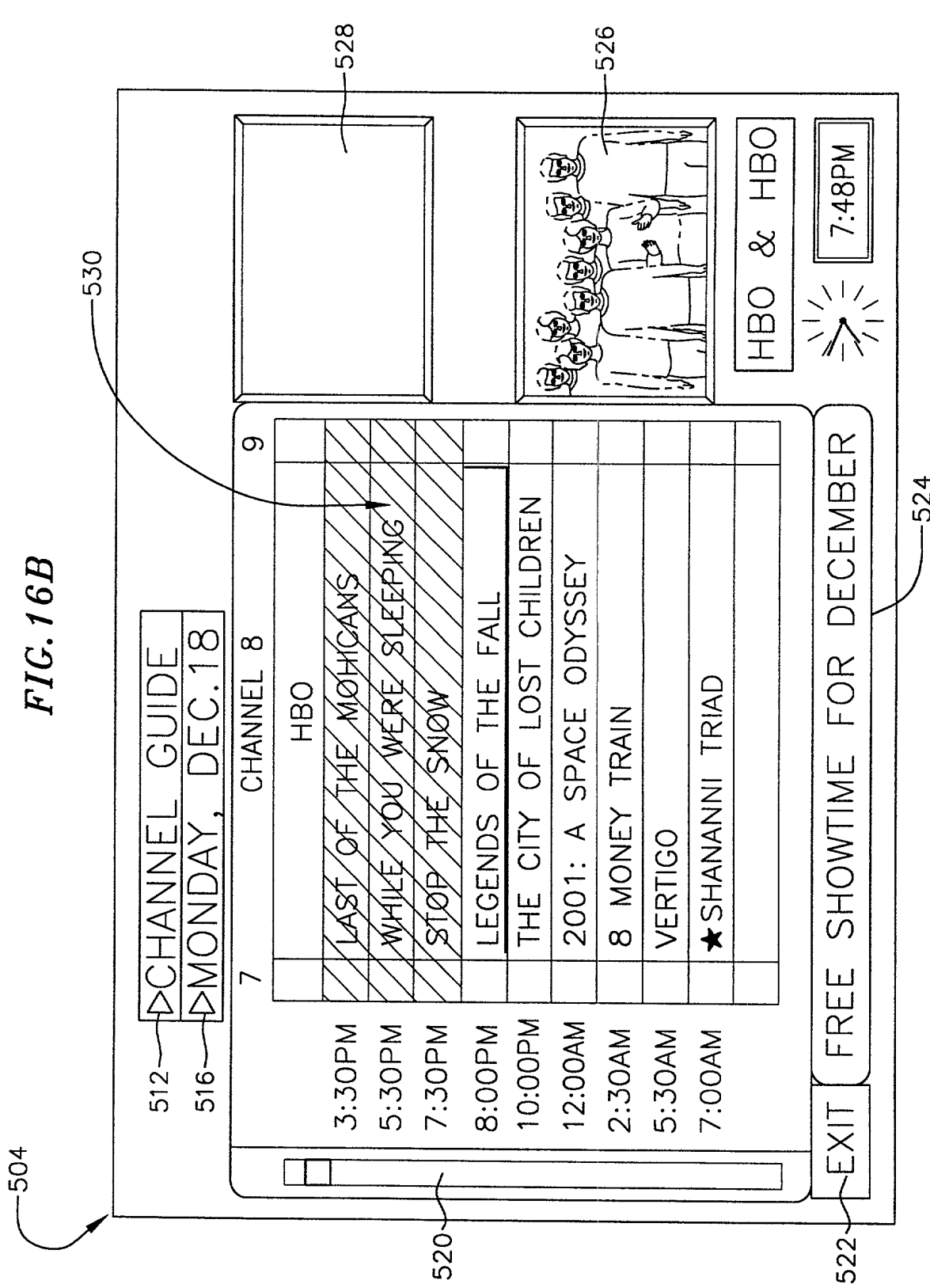
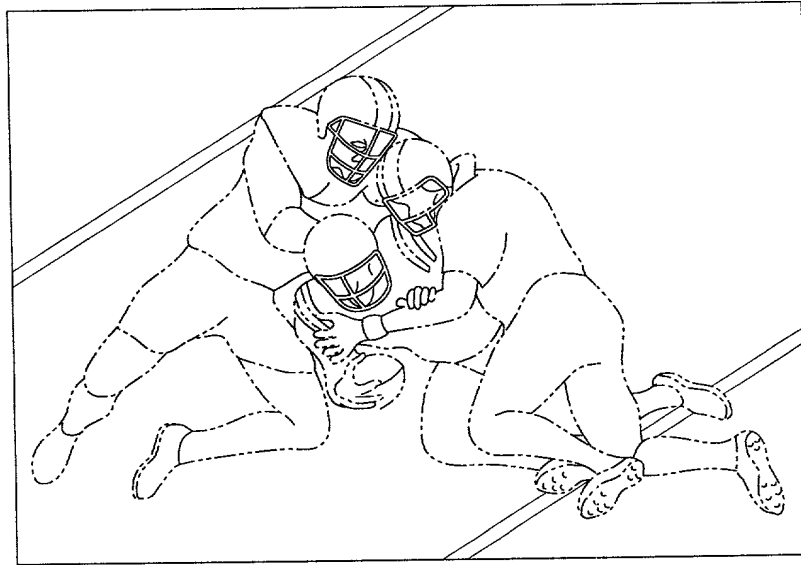
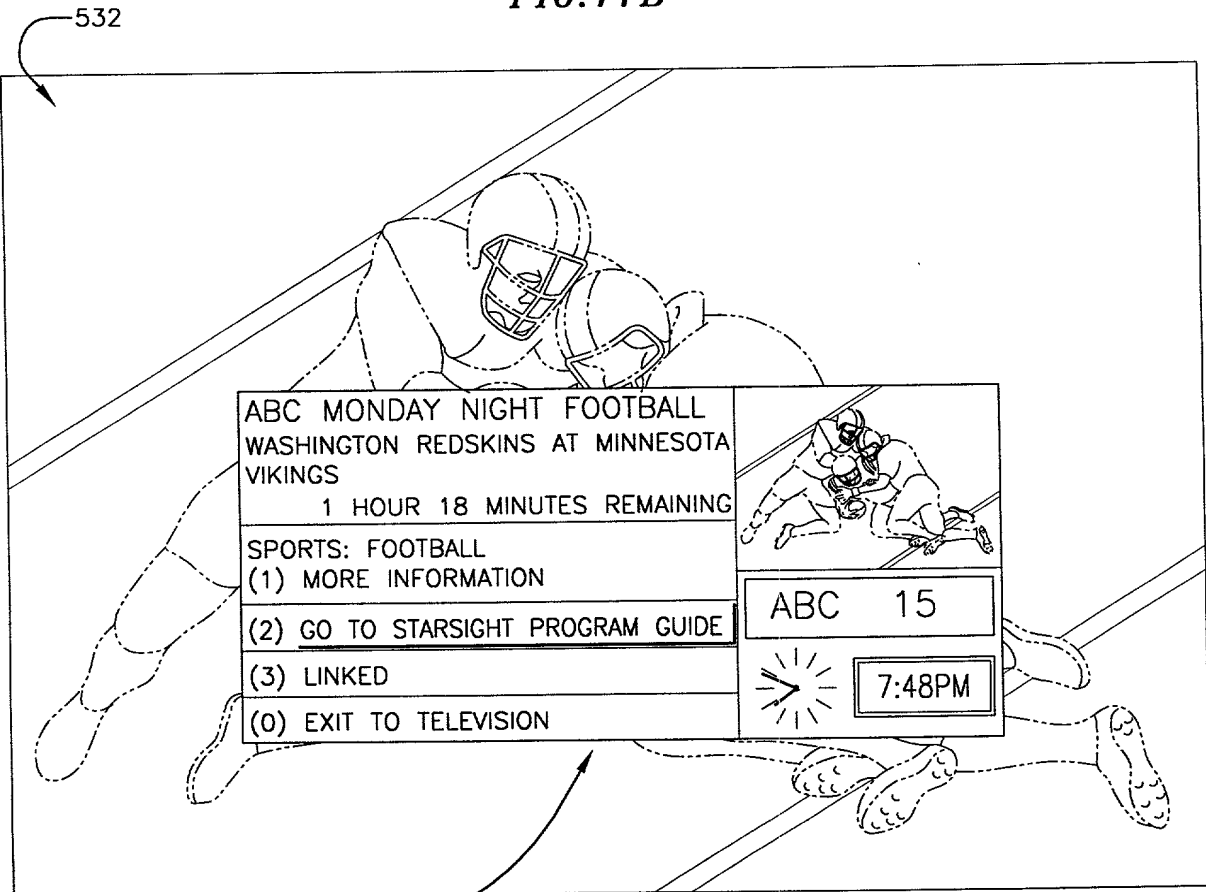


FIG. 17A



532

FIG. 17B



532

530

FIG. 17C

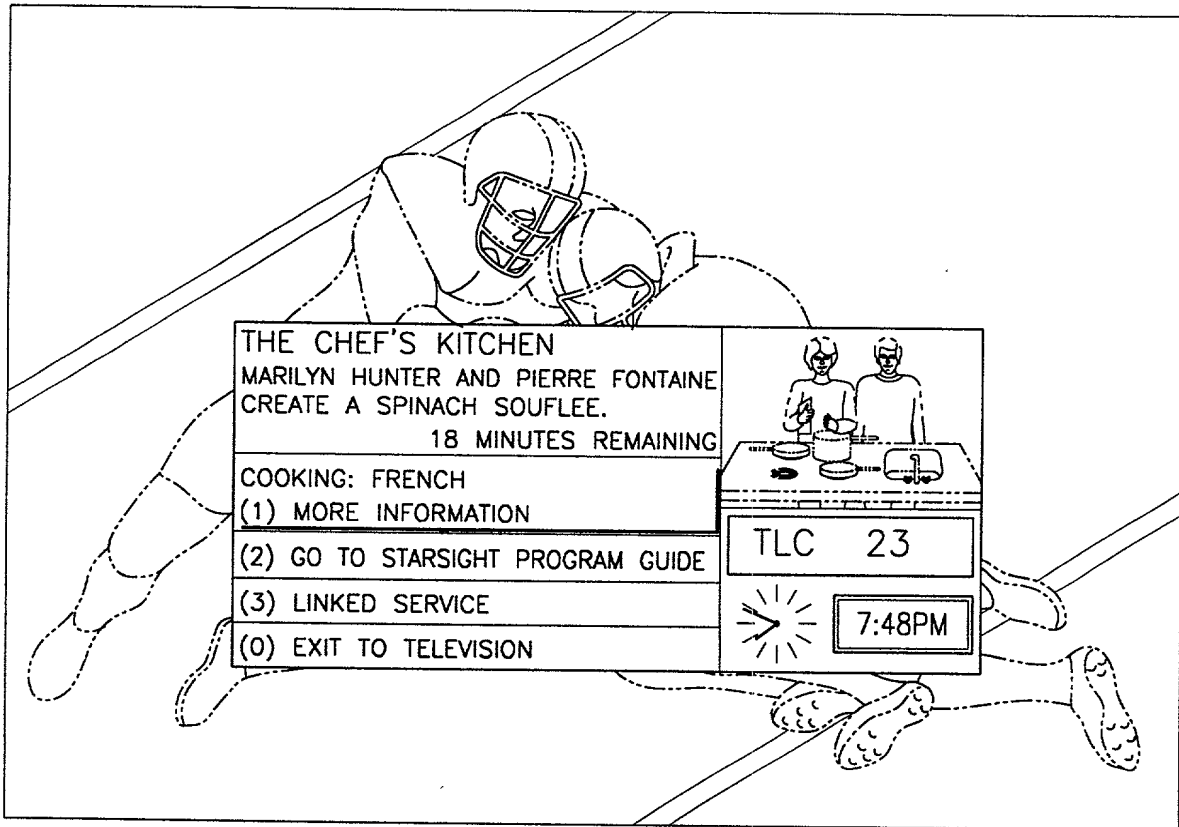


FIG. 17C is a perspective view of a user interface for a television set-top box. The interface is displayed on a screen and includes a menu for a cooking show. The menu is divided into two columns. The left column contains the show title, the hosts' names, the current time remaining, and a list of options. The right column contains a small illustration of the hosts, the channel number, and the current time.

FIG. 18A

-HOURS	
MOVIES: DRAMA	
(1) MORE INFORMATION	
(2)	TUNE TO THIS CHANNEL NOW
(3)	RECORD THIS PROGRAM
(4)	PUT THIS PROGRAM ON MY FAVORITES LIST
(5)	REMIND ME WHEN THIS PROGRAM AIRS
(6)	RESTRICT ACCESS TO THIS PROGRAM
(7)	LINKED SERVICE
(0) GO BACK TO PROGRAM GUIDE	

FIG. 18B

MOVIES: DRAMA	
(1) MORE INFORMATION	
(2)	\$ ORDER MOVIE WHEN YOU LIKE...
(3)	\$ HBO INTERVIEW: BRAD PITT
(4)	A HOPKINS "REMAINS OF THE DAY"
(5)	\$ UNIVERSAL PICTURES ONLINE...
(6)	\$ UNIVERSAL STUDIOS FAMILY TICKET OFFER
(<) BACK TO PREVIOUS MENU	
(0) GO BACK TO PROGRAM GUIDE	

FIG.18C

ENTERING PASSWORD	
BY ENTERING YOUR PASSWORD YOU ARE CONFIRMING A PURCHASE OR VALIDATION OF YOUR ID. PLEASE ENTER YOUR PASSWORD TO ORDER THIS MOVIE FOR THE LISTED PURCHASE PRICE.	
HELP: PASSWORD	
(1) INFO ON (LEGENDS OF THE FALL)	\$3.95
<div>ENTER PASSWORD FOR DELIVERY IN 7 MINUTES @ 7:55PM LEGENDS OF THE FALL-\$3.95</div>	
(2) ACCEPT PASSWORD...	
(<) BACK TO PREVIOUS MENU	
(0) GO BACK TO PROGRAM GUIDE	

FIG.18D

CONFIRMING YOUR PURCHASE	
YOU HAVE SUCCESSFULLY ENTERED YOUR PASSWORD. CLICKING ON "YES" ITEM WILL FINALIZE YOUR PURCHASE.	
HELP: CONFIRMING YOUR PURCHASE	
(1) INFO ON (LEGENDS OF THE FALL)	\$3.95
<div>YOU HAVE SUCCESSFULLY ENTERED YOUR PASSWORD. ARE YOU SURE YOU WANT TO PROCEED TO FINALIZE YOUR ORDER ?</div>	
(2) YES	
(<) NO (BACK TO PREVIOUS MENU)	
(0) GO BACK TO PROGRAM GUIDE	

FIG. 18E

LEGENDS OF THE FALL
THREE SONS OF A RETIRED ARMY OFFICER RETURN
FROM WORLD WAR 1 TO PURSUE VERY DIFFERENT LIVES.
ANTHONY HOPKINS, BRAD PITT, JULIA ORMOND.
VIDEO ON DEMAND PRICE-\$3.95

MOVIES: DRAMA
(1) MORE INFORMATION

YOUR ORDER CONFIRMED !
12.15.95 OR.#950384383 IT.#346VOOL
ACCOUNT 234.95430 PURCHASE: \$3.95

(2) OK (BACK TO PREVIOUS MENU)
(3) GO TO YOUR LIST OF PURCHASES

(0) GO BACK TO PROGRAM GUIDE

FIG. 19A

▷	PROGRAM GUIDE
▷	CHANNEL GUIDE
	VIDEO ON DEMAND
7	RECORDINGS
8	
9	FAVORITES & REMINDERS
10	PARENTAL CONTROLS
11	THEMES & SEARCHES
12	WORLD OF SERVICES
13	
14	MESSAGES
15	SETUP & UTILITIES
16	

EXIT FREE SHOWTIME FOR DECEMBER

ABC 15

7:48PM

FIG. 19B

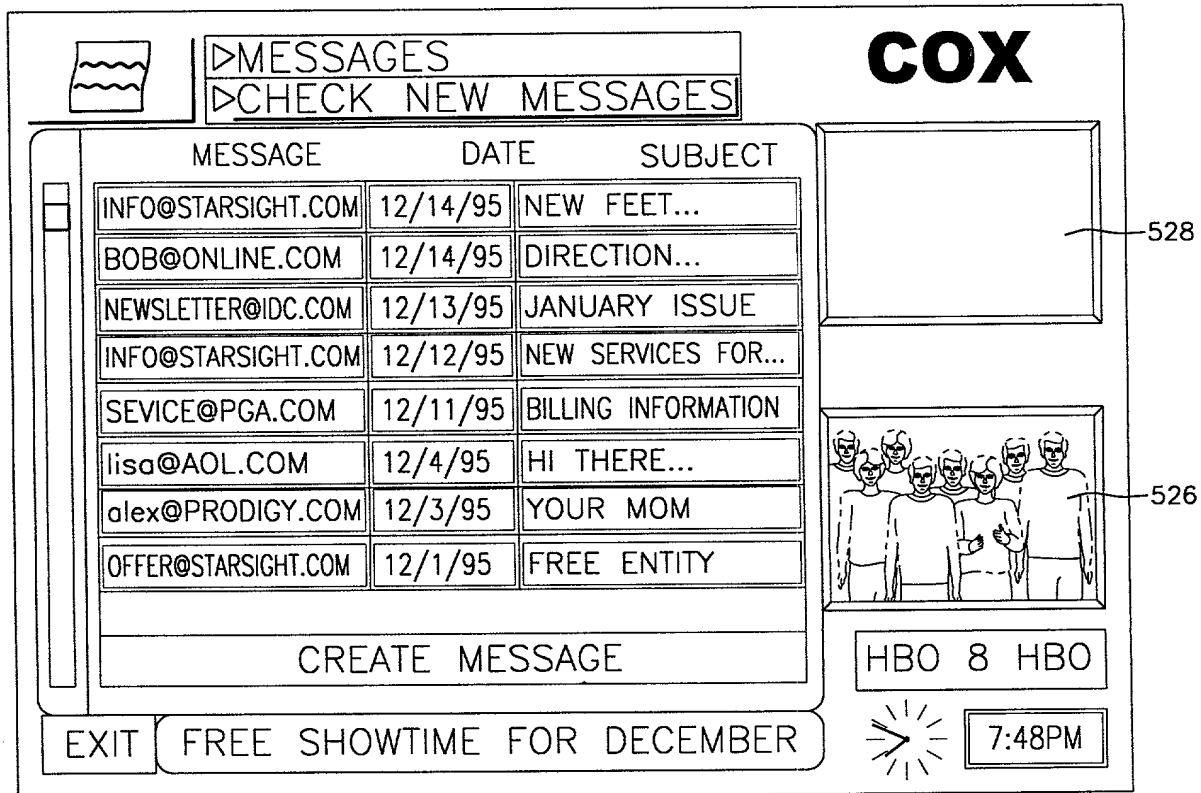


FIG. 19C

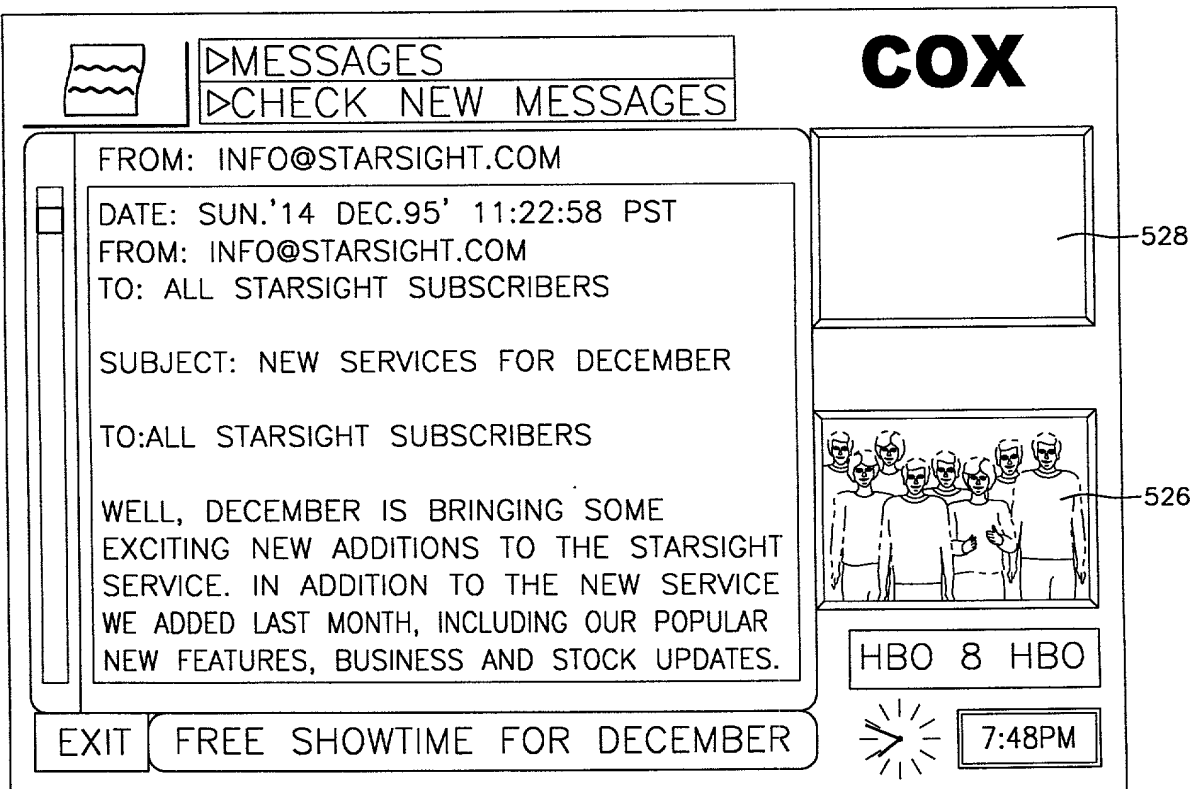


FIG. 20A

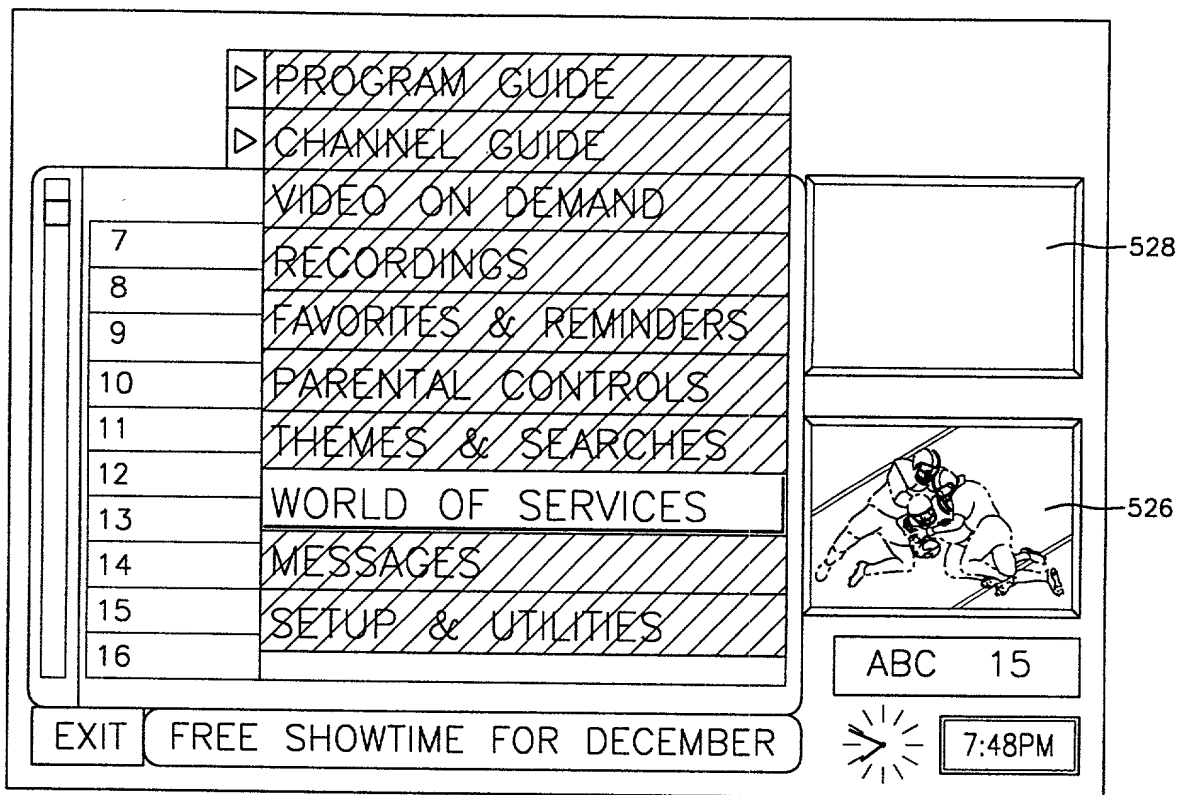


FIG.20B

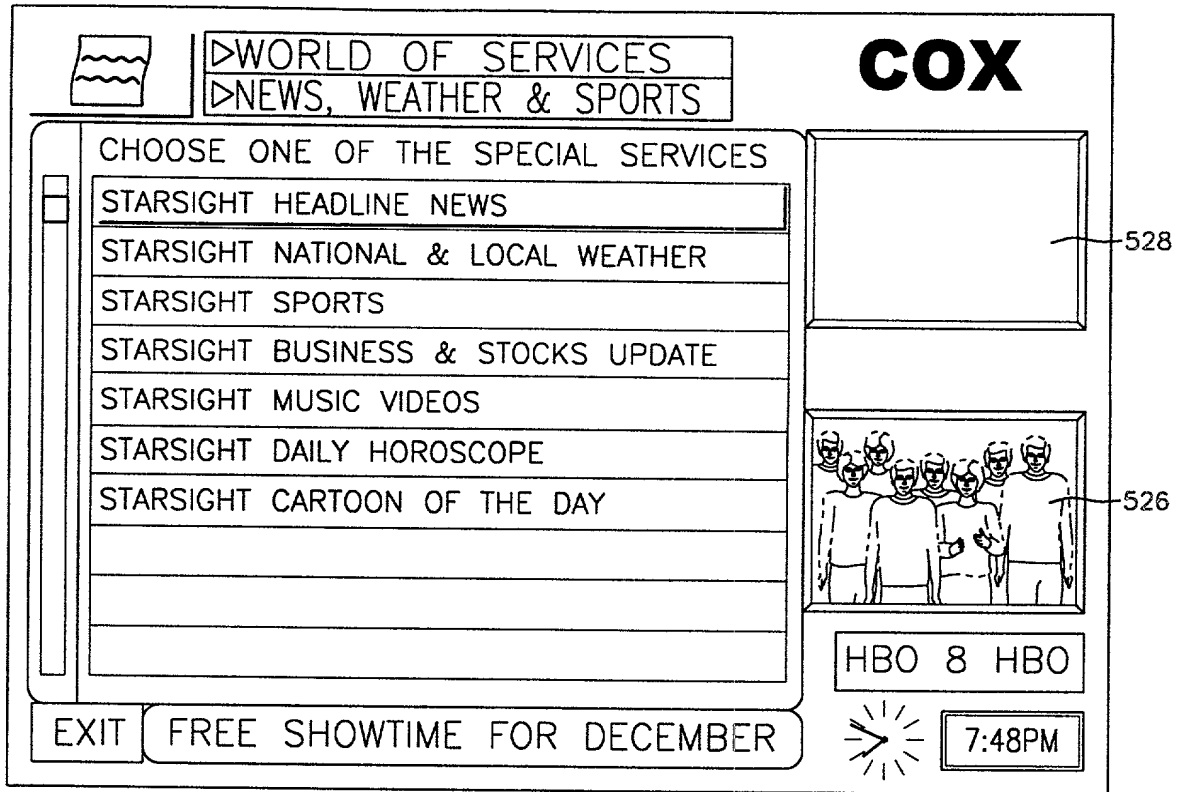
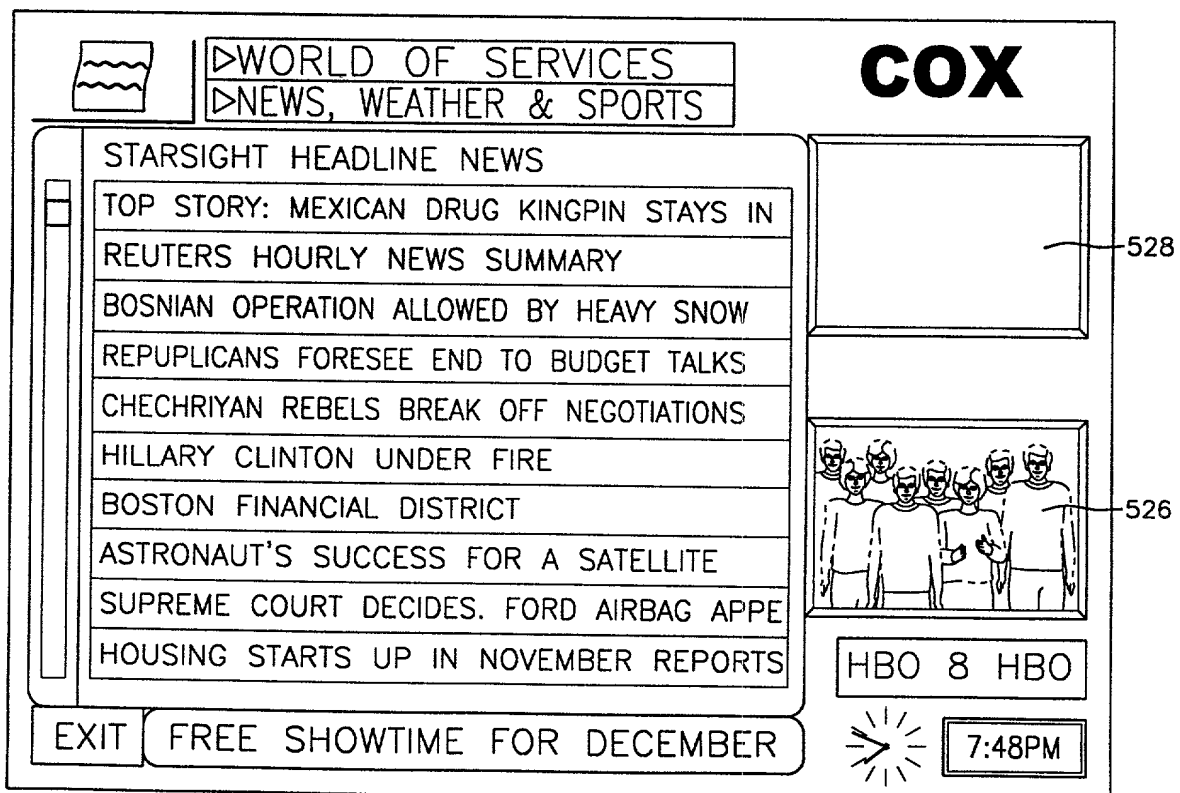


FIG.20C



502

FIG. 21A

512 PROGRAM GUIDE

516 MONDAY, DEC.18

CHANNEL	7:00PM	7:30PM	8:00PM
7	LIFE WITH JOHN		
8 HBO	WHALES	STOP THE SHOW	LEGEND
9 FOX	MYSTERY	FINAL JUSTICE	
10	THIS MORNING		
11	JEOPARDY	WHEEL OF FORTUNE	
12 Nickelodeon	THE RETURN OF THE PINK PANTHER		
13	CASA	HORIZON DE VUELO	
14 Disney	CARTOON	TOON TOWN	CARA 3
15 abc	★ ABC MONDAY NIGHT FOOTBALL		
16	I WON'T		I'LL DO

528

526

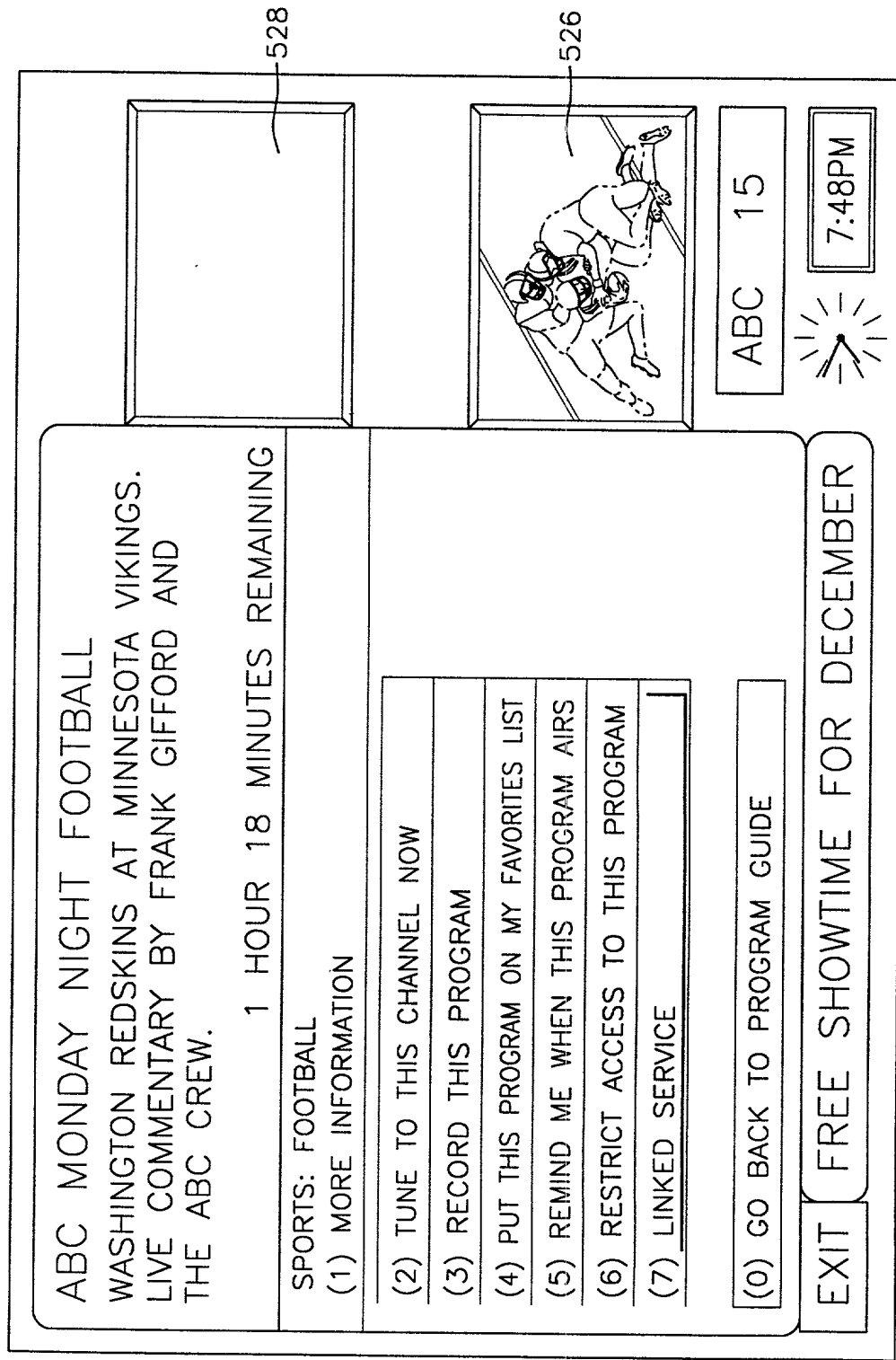
ABC 15

7:48PM

522 EXIT FREE SHOWTIME FOR DECEMBER

508 510 524

FIG. 21B



1

FIG.21C

OFFICIAL NFL CAP
A GOOD-LOOKING ACCESSORY FOR ANY FAN. YOUR
FAVORITE NFL TEAM LOGO EMBROIDERED ON A
TOP-QUALITY ALL-COTTON CAP. COMES IN TEAM COLORS.
SPECIAL OFFER--\$9.95

SPORTS: FOOTBALL
(1) MORE INFORMATION

(2) \$ PURCHASE WASHINGTON REDSKINS CAP...

(3) \$ PURCHASE MINNESOTA VIKINGS CAP...

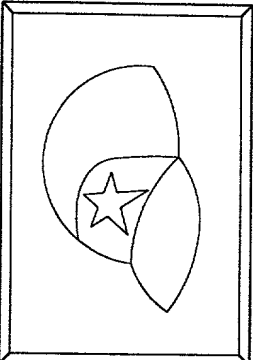
(4) GO TO NFL SPORTS PRO SHOP

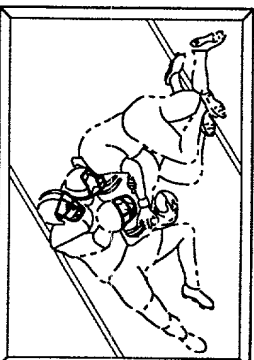
(5) \$ ORDER TRANSCRIPTION OF THIS PROGRAM

(6) \$ ORDER NFL HIGHLIGHTS


(7) BACK TO PREVIOUS MENU

(0) GO BACK TO PROGRAM GUIDE





ABC 15


7:48PM

EXIT FREE SHOWTIME FOR DECEMBER

FIG.21D

ENTERING PASSWORD	
BY ENTERING YOUR PASSWORD YOU ARE CONFIRMING A PURCHASE OR VALIDATION OF YOUR ID. PLEASE ENTER YOUR PASSWORD TO ORDER THIS ITEM FOR THE LISTED PURCHASE PRICE.	
HELP: PASSWORD	
(1) INFO ON (OFFICIAL NFL CAP)	\$9.95
<div>ENTER PASSWORD FOR DELIVERY VIA U.P.S. OFFICIAL NFL CAP-WA REDSKINS-\$9.95</div>	
(2) ACCEPT PASSWORD...	
(<) BACK TO PREVIOUS MENU	
(0) GO BACK TO PROGRAM GUIDE	

FIG.21E

HELP: CONFIRMING YOUR PURCHASE	
(1) INFO ON (OFFICIAL NFL CAP)	\$9.95
<div>YOU HAVE SUCCESSFULLY ENTERED YOUR PASSWORD. ARE YOU SURE YOU WANT TO PROCEED TO FINALIZE YOUR ORDER ?</div>	
(2) YES	
(<) NO (BACK TO PREVIOUS MENU)	
(0) GO BACK TO PROGRAM GUIDE	

FIG.21F

OFFICIAL NFL CAP	
A GOOD-LOOKING ACCESSORY FOR ANY FAN. YOUR FAVORITE NFL TEAM LOGO EMBROIDERED ON A TOP-QUALITY ALL-COTTON CAP. COMES IN TEAM COLORS. SPECIAL OFFER-\$9.95	
SPORTS: FOOTBALL	
(1) MORE INFORMATION	
<div>YOUR ORDER CONFIRMED ! 12.15.95 OR.#950384271 IT.#3452NP ACCOUNT 234.95430 PURCHASE: \$9.95</div>	
(2) OK (BACK TO PREVIOUS MENU)	
(3) GO TO YOUR LIST OF PURCHASES	
(0) GO BACK TO PROGRAM GUIDE	